

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-4 (Cancelled)

5. (Previously Presented) A data processor for executing instructions in an instruction set, wherein:

said instruction set includes an instruction for causing said data processor to calculate an inner product of two vectors and to sum said inner product with scalar data, with a single execution of said instruction.

6. (Previously Presented) A data processor according to Claim 5, wherein:

said data processor includes a floating-point execution unit for calculating the inner product of a length-4 vector and another length-4 vector and summing said inner product and scalar data.

7. (Previously Presented) A data processor according to Claim 6, wherein:

said floating-point execution unit includes a 9 input adder.

Claims 8-12 (Cancelled)